

(Translation)

OFFICIAL NOTICE OF REJECTION mailed on February 09, 2010

Japanese Patent Application No. 2007-208558

Examiner, the Patent Office: Hiroyuki OKA 3251 5K00

=====

The present application is rejected for the following reasons. The Applicant may present an Argument, if any, within three months from the mailing date of this Official Notice.

Reasons

Reason A

The Detailed Description of the Invention of the present application is deficient in the points set forth below. Therefore, the present application fails to conform to the requirements prescribed under Section 36, Paragraph 4 of the Japanese Patent Law.

Reason B

Claims of the present application are deficient in the points set forth below. Therefore, the present application fails to conform to the requirement prescribed under Section 36, Paragraph 6, Item 2 of the Japanese Patent Law.

Reason C

The present invention(s) as claimed in claim(s) set forth below would have been obvious to one having ordinary skill in the art, to which the invention(s) pertain(s), prior to the filing date of the present application, on the basis of the publication(s) set forth below as distributed in Japan or foreign countries prior to the filing date of the present application. Therefore, the present invention(s) is (are) unpatentable under the provision of Section 29, Paragraph 2 of the Japanese Patent Law.

Remarks (See a Reference List below.)

[Re: Reason A]

(A1) Even in view of the descriptions of the specification or the like of the present application (in particular, paragraphs [0021], [0130], and [0137]), it is unclear what specific problem is solved by the inventions of claims 1 to 16 using what means and/or method. Thus, the technical significance of the present invention (contribution made by the present invention over the prior art) is unclear.

Therefore, the Detailed Description of the Invention of the present application fails to provide descriptions of the inventions of claims 1 to 16 designated in the ordinances by the Ministry of Economy, Trade, and Industry.

(A2) Even in view of the descriptions of the specification or the like of the present application (in particular, paragraphs [0021], [0130], and [0137]), with respect to "inserting information into the voice data on a condition that a portion of the data is missing in the wireless channel set; and processing the information in the voice data," it is impossible to fully and clearly understand by what specific method loss of a received signal is detected, what specific information is inserted into the voice data, and what specific processing is performed on the inserted information.

Therefore, the Detailed Description of the Invention of the present application fails to provide descriptions in a manner sufficiently clear and complete for the inventions of claims 1 to 16 to be carried out by one skilled in the art.

[Re: Reason B]

In connection with Reason (A2) above, with respect to "inserting information into the voice data on a condition that a portion of the data is missing in the wireless channel set; and processing the information in the voice data," it is unclear by what specific method loss of a received signal is detected, what specific information is inserted into the voice data, and what specific processing is performed on the inserted information.

Therefore, claims 1 to 16 are unclear.

[Re: Reason C]

*The decision on inventive step has been made as follows, taking the above-stated deficiency in recitations into consideration.

Claims 1, 2, 9, and 10

References 1 to 6

Remark:

In CDMA systems, it is merely a well-known technique to transmit/receive voice data and non-voice data (for example, Figs. 2 to 7 and descriptions thereof in Reference 1 and paragraphs [0010] to [0033] in Reference 2).

In voice communications, it is a well-known technique to detect at a receiver a silent period without voice data and replace the received data in the silent period with predetermined data (for example, claim 2 in Reference 3, and References 4, 5, and 6).

Therefore, claims 1, 2, 9, and 10 would have been obvious to one skilled in the art on the basis of the well-known techniques disclosed in References 1 to 6.

Claims 3 to 8 and 11 to 16

References 1 to 6

Remark:

The contents of the inventions of claims 3 to 8 and 11 to 16 are all within the matters of well-known techniques or design choice.

If any ground for rejection is newly found, the rejection will be notified.

Reference List

1. Alfred Baier et al., "Design Study for a CDMA-Based Third-Generation Mobile Radio System," *IEEE Journal on selected areas in Communications*, Vol. 12, No. 4, pp. 733-743, May 1994
2. Japanese Patent Application Laid-open No. Hei 5-327580
3. International Publication No. WO 93/21707
4. Japanese Patent Application Laid-open No. Hei 2-42500
5. Japanese Patent Application Laid-open No. Sho 63-23425
6. Shuzo KATO et al., "An improvement on Channel Quality for Personal Communication Systems," *Proceedings of General*

*Conference 1995 of the Institute of Electronics, Information
and Communication Engineers, Communication 1, p. 513, B-513,
March 10, 1995*

(Note) There is a case where part of non-patent literature cited
above is not sent or none of the non-patent literature is sent
at all because of restriction by the law, the contract, or the
like.

Record of Search Result of Prior Art Literature

Field Searched IPC H04J 13/00-13/06
 H04B 1/69- 1/713

This record of search result of prior art literature does
not constitute reason for rejection.